

To: Weiler, Gregory[weiler.gregory@epa.gov]
From: oglesbybigo
Sent: Mon 8/10/2015 6:40:29 PM
Subject: RE: What was EPA doing when it sent yellow sludge spilling into a Colorado creek

How would you like to explain this incident to the bozos in congress. Bet the are licking their chops and their buddies the Koch brothers are egging them on. Not going to be pretty at all.

From my Android phone on T-Mobile. The first nationwide 4G network.

----- Original message -----

From: "Weiler, Gregory" <weiler.gregory@epa.gov>
Date: 08/10/2015 1:25 PM (GMT-06:00)
To: oglesbybigo [Personal Phone/Ex. 6]
Subject: RE: What was EPA doing when it sent yellow sludge spilling into a Colorado creek

Just saw carl edlund downstairs at sammys and he said they are very busy in farmington and Aztec today with his emergency response crews. They said they put some fingerling trout in some biomonitoring stations and only a couple of small trout died.....hopefully it will not kill those big german brown trout me and my bro in law were catching on the animas.....

Sheeze....

Greg Weiler, USEPA

1445 Ross Avenue, Dallas, Texas 75202-2733

Phone: 214-665-7564

weiler.gregory@epa.gov

"Out of the long list of nature's gifts to man, none is perhaps so utterly essential to human life as soil."
Hugh Hammond Bennett

From: oglesbybigo [mailto:oglesbybigo@aol.com]

Sent: Monday, August 10, 2015 1:22 PM

To: Weiler, Gregory

Subject: RE: What was EPA doing when it sent yellow sludge spilling into a Colorado creek

Not pretty. The agency is going to have some explaining to do on this one. It's not going to go away very soon. Hate to be Region 8. Ouch.

From my Android phone on T-Mobile. The first nationwide 4G network.

----- Original message -----

From: "Weiler, Gregory" <weiler.gregory@epa.gov>

Date: 08/10/2015 12:40 PM (GMT-06:00)

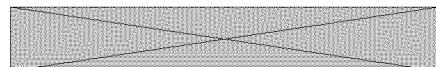
To: "Petersen, Chris" <petersen.chris@epa.gov>, "Thilsted, Eugene"

<Thilsted.Eugene@epa.gov>, "Carroll, Craig" <Carroll.Craig@epa.gov>

Cc: "Lammers, Jeffrey" <Lammers.Jeffrey@epa.gov>, "Jerry Oglesby" **Personal Phone/Ex. 6**

Personal Phone/Ex. 6

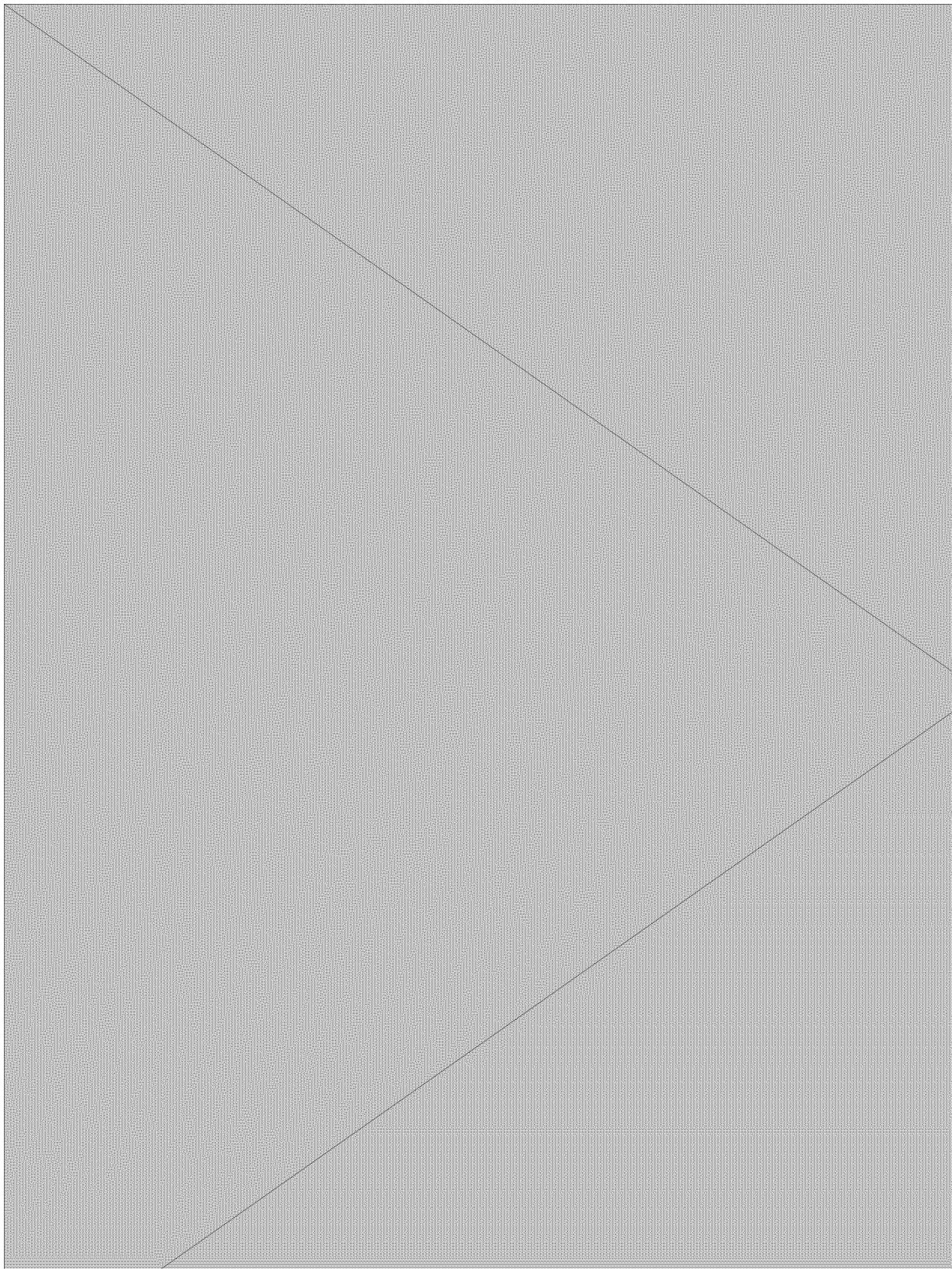
Subject: What was EPA doing when it sent yellow sludge spilling into a Colorado creek



What the EPA was doing when it sent yellow sludge spilling into a Colorado creek

Comments 79

By Sarah Kaplan August 10 at 7:21 AM



As the Animas River begins to recede, it reveals sludge left behind just north of Durango, Colo., on Aug. 7 from the Gold King Mine spill that happened Aug. 5 north of Silverton, Colo. (Jerry McBride/Durango Herald via AP)

The whole point of the project was to make Colorado's water safer.

Instead, while working to clean a mine in the San Juan mountains last Wednesday, workers with the Environmental Protection Agency unintentionally made the problem worse. A plug at the Gold King Mine site failed, the mine's owners told [the Denver Post](#), releasing 3 million gallons of toxic yellow sludge into Colorado's waterways. By Sunday night, the plume had reached Farmington, N.M., more than 100 miles to the south.

[\[EPA triples estimate of mine waste spilled into Colo. river\]](#)

The sight of the wastewater, long pent up in a mine that hasn't been operational since 1923, shocked the state and put the EPA in the hot seat. Why was the agency using heavy machinery at a site known to be full of toxins?

The answer, like the wastewater itself, is a part of Colorado's history.

EPA: 3 million gallons of waste water spilled in Colo. river(1:10)

The Environmental Protection Agency says the spill of toxic wastewater from a mine in Colorado is three times larger than previously thought. Residents are being advised not to drink or bathe in well water. (Reuters)

Burrowed into the state's craggy mountains are thousands of mines like Gold King, built during the mining bonanza that marked Colorado's beginnings. Though most of them have been closed for decades, they continue to make their presence known through the acids that slowly leach — and occasionally violently burst — into the water around them.

"The great news is that modern mining does not allow the release of these waters," Elizabeth Holley, assistant professor of mining engineering at the Colorado School of Mines, told [the Denver Post](#). "The bad news is we owe our statehood to mining prior to any environmental regulations."

The documented gold discovery in Colorado is attributed to a Georgia prospector named Lewis Ralston, who was part of a wagon train bound for the already famous mines of California. [According to lore](#), members of the train were resting for a day and Ralston, on a whim, decided to dip his gold pan into an unnamed mountain stream. It emerged with \$5 worth of gold, a sizable sum for the time.

A fellow traveler noted in a brusque June 22, 1850, [diary entry](#), "Lay bye. Gold found."

Members of the wagon train lingered only a few days to examine the find, but Ralston would return eight years later with a team of prospectors. Those men soon found rich gold deposits in

the mountains nearby, setting off the gold rush that would turn Colorado from an unexplored frontier of Kansas territory into its own booming state. Colorado was admitted to the Union in 1876.

The towering San Juan mountains around Silverton, Colo., were opened to prospectors in 1874. By the 1880s, more than half a dozen mines were operating in the area, including Gold King, most of them run by the Sunnyside Gold Corp.

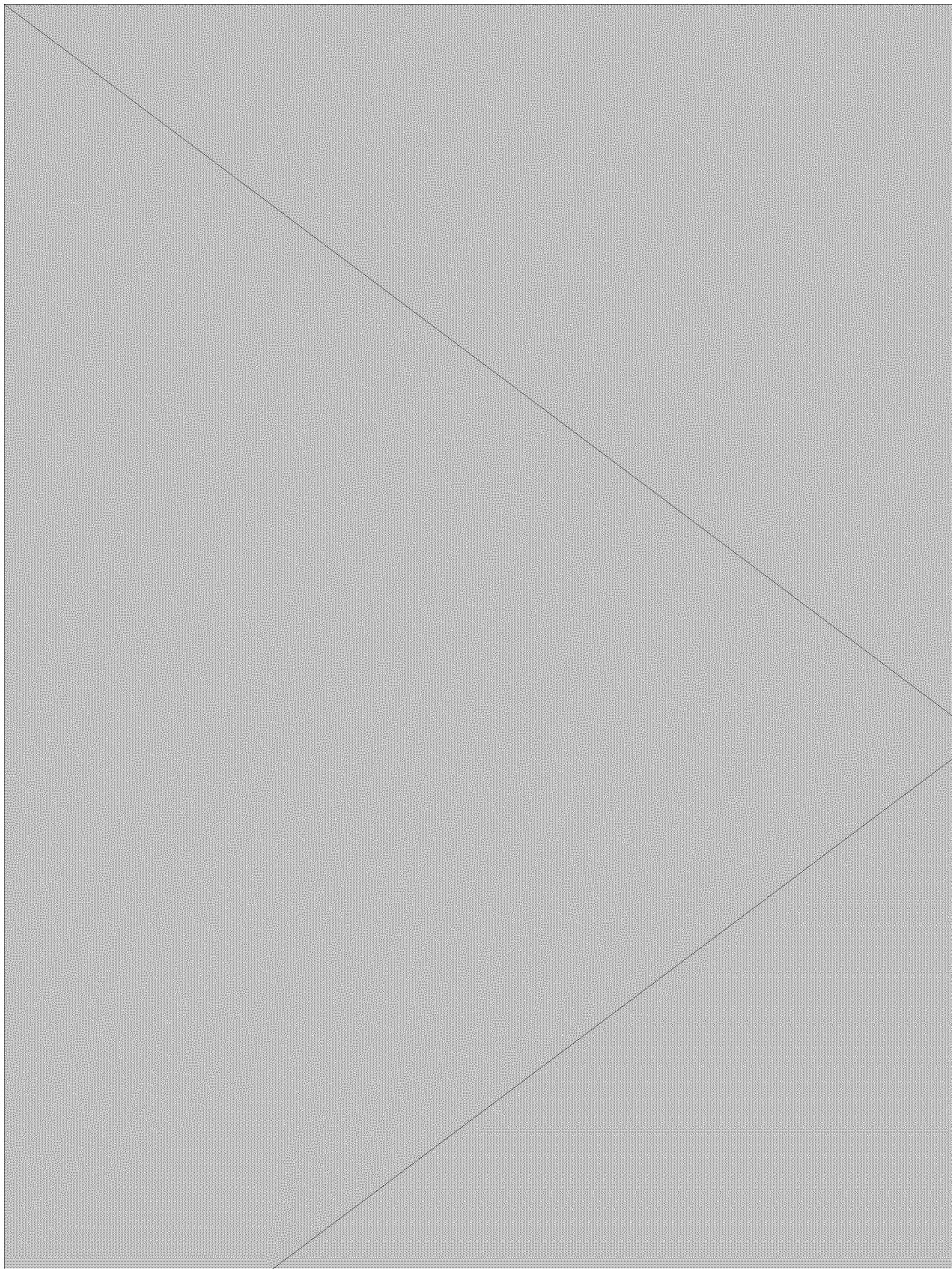
Rich with veins of silver, gold and other precious metals, the mines drew thousands of people to the area. The nearby towns — Silverton, Telluride, the aptly named Eureka — were built on the estimated \$150 million in minerals that were extracted from the mountains. But the wealth came at a cost.

When underground water runs through a mine, it picks up traces of the minerals that are buried there, explains Colorado Public Radio station KUNC. When it mixes with mineral pyrite, it reacts with air to form sulfuric acid and dissolved iron. It also picks up other heavy metals, like copper and lead, as well as any of the chemicals that miners have been using to extract the resources. By the time it trickles out of the mountain and into nearby waterways, it's an acidic, often-toxic brew.

In mineral-rich mountains like the site of the Gold King mine, this process can happen even before prospectors start digging in. Cement Creek, the waterway that was first flooded with sludge last week, had been declared undrinkable in 1876, before mining in the area became widespread, according to the Denver Post. But drilling into the mountain sped things up quite a bit.

Ginny Brannon, director of the Colorado Division of Reclamation Mining and Safety, told the Denver Post that until 1977, Colorado had few laws requiring mining companies to deal with the wastewater they created.

“Folks could go out and do what they want and walk away from the sites, and this is one of them,” she said.



Yellow mine wastewater is seen at the entrance to the Gold King Mine in San Juan County, Colo., on Aug. 5. (Environmental Protection Agency via Reuters)

The Gold King mine hasn't been operational since 1923, but several other sites in the same network of mines remained open for decades after. For more than 100 years, the mines were the lifeblood of the surrounding community. They provided the bulk of the jobs and one-third of the county's annual tax revenue, according to the Durango Herald.

Even two major disasters in the 1970s — a breach in a "tailing pond" (the basins that store contaminated water for processing) that sent tons of wastewater into the local watershed and a 1978 lake collapse that flooded the mine with water and a million tons of mud — didn't dampen support for the operation.

The multimillion-dollar cleanup costs did. In 1991, Sunnyside shut down its last mine in the area. And much of San Juan County was shut down with it.

"We lost half our population," Beverly Rich, the county treasurer and chairwoman of the San Juan County Historical Society, told Westword magazine in 2005. "We went from about 200 children to 43 kids in our school. We lost one-third of our county tax revenue. We lost a lot of our volunteer firemen — and good-paying jobs. Mining pays well, and tourism jobs don't quite cut the mustard."

The effects of more than a century of mining didn't disappear along with them. They're easily visible in the histories of local community, which often glorify their mining past. Silverton's motto, after all, is "The mining town that never quit."

"Did mining kill people? Of course, it killed people. Driving cars kills people, too. Do you want to get rid of cars?" Historian Duane Smith, a Durango resident and Fort Lewis College professor who has written several books about Silverton, told the Durango Herald in 2013. "Silverton owes its existence